

WR-229 Waveguide Standard Gain Horn Antenna With Flange, 15 dBi Gain and 3.3 GHz to 4.9 GHz

The Pro-series WR-229 FM9862B-15 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 15 dBi. The Fairview Microwave 15 dBi WR-229 horn antenna operates from 3.3 GHz to 4.9 GHz. This WR-229 standard gain horn has a CMR-229 type flange. The WR-229 FM9862B-15 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave. Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance. The Pro-series gain horns are US made and TAA compliant. Fairview Microwave's WR-229 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-229 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

Design	WR-229 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	3.3		4.9	GHz
Nominal Gain		15		dB
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	11.08 in [281.43 mm]
Width/Diameter	6.12 in [155.45 mm]
Height	4.54 in [115.32 mm]

Waveguide Interface

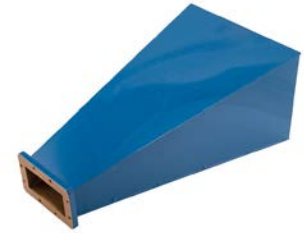
Waveguide Size	WR-229
Flange Type	CMR-229
Body Material and Plating	Aluminum

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

- WR-229 Rectangular Waveguide Interface
- 3.3 GHz to 4.9 GHz
- 15 dBi Nominal Gain
- CMR-229 Cover Flange

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

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WR-229 Waveguide Standard Gain Horn Antenna With Flange, 15 dBi Gain and 3.3 GHz to 4.9 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

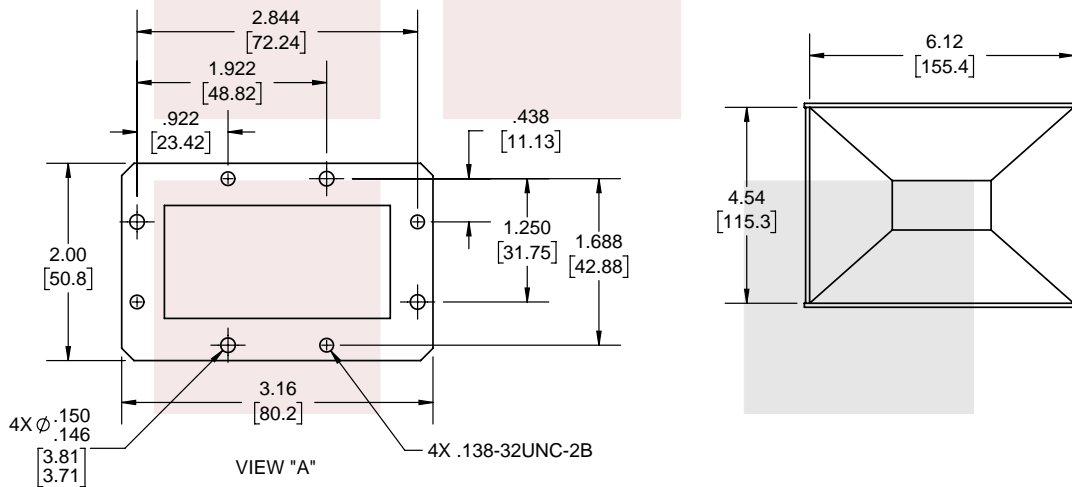
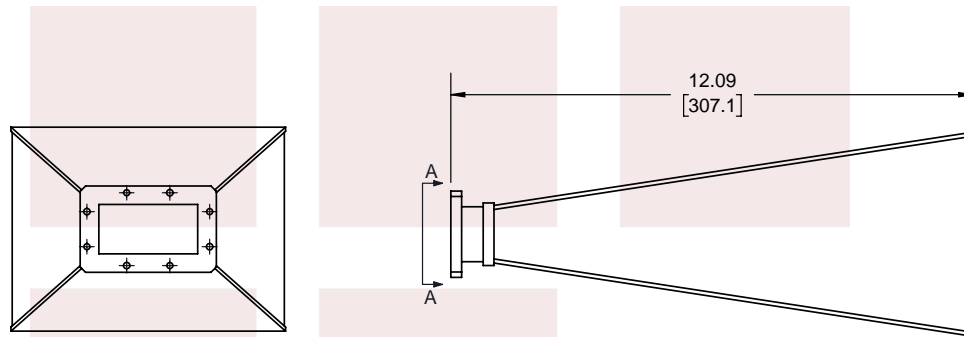
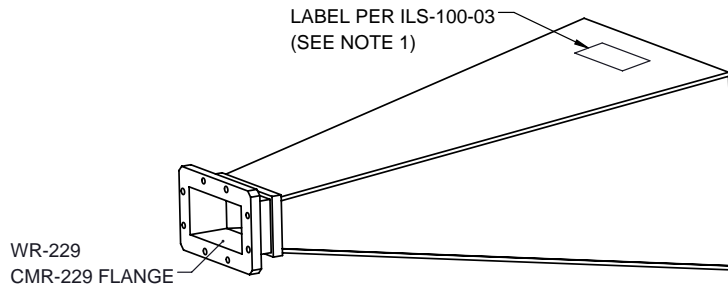
For additional information on this product, please click the following link: [WR-229 Waveguide Standard Gain Horn Antenna With Flange, 15 dBi Gain and 3.3 GHz to 4.9 GHz FM9862B-15](#)

URL: <https://www.fairviewmicrowave.com/wr-229-waveguide-standard-gain-horn-15-db-fm9862b-15-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE9863B-10 20210526	05/24/2021	KHIETPAS



- NOTES:
1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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<p>Fairview Microwave an INFINIT[®] brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 		
	TOLERANCES: .X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1°		CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.
	TITLE WR-229 Waveguide Standard Gain Horn Antenna With Flange, 15 dBi Gain and 3.3 GHz to 4.9 GHz		SHEET 1 OF 1		SCALE N/A
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			REV B		
SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FM9862B-15	REV B	

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